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APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

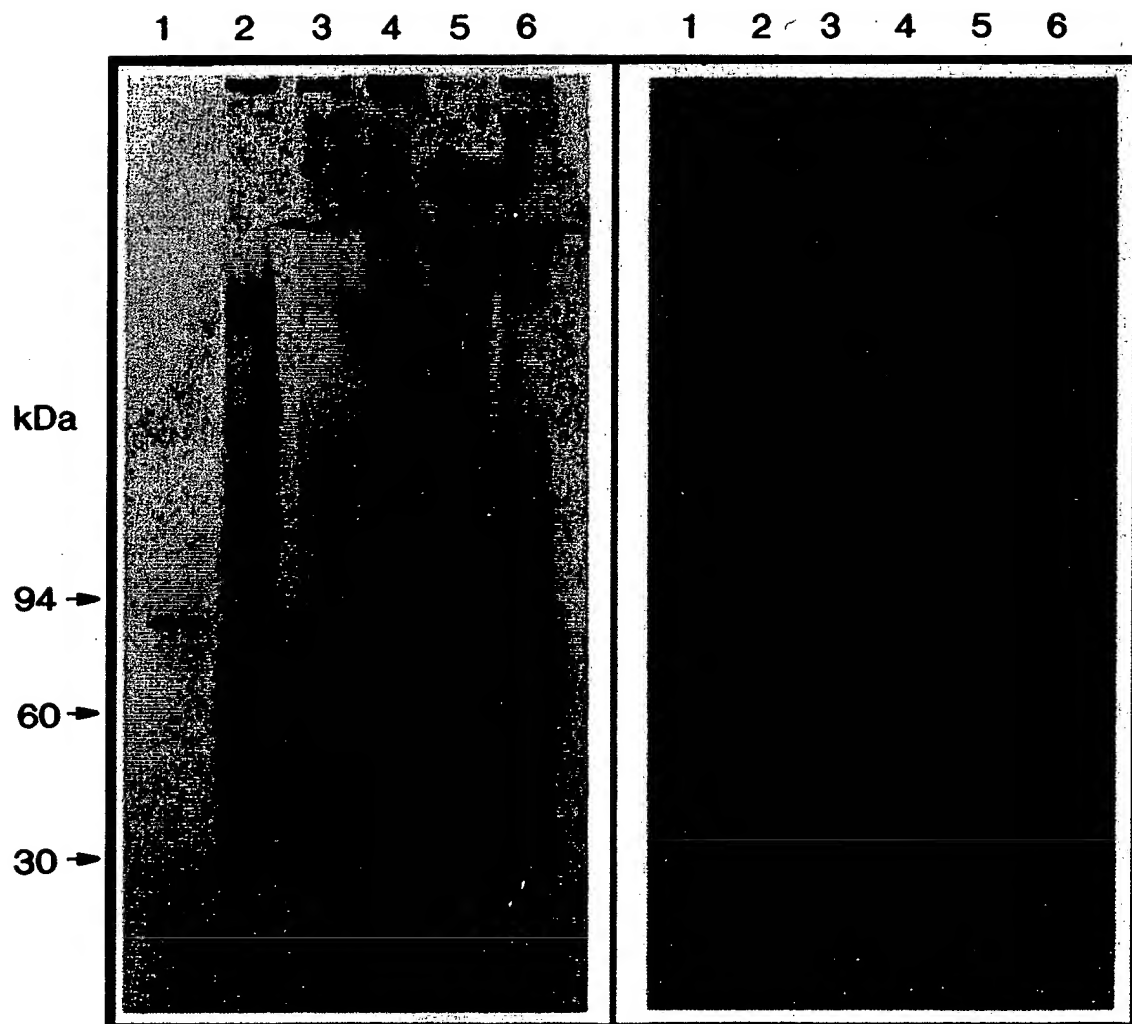


FIG. IA

FIG. IB

APPROVED	O. G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

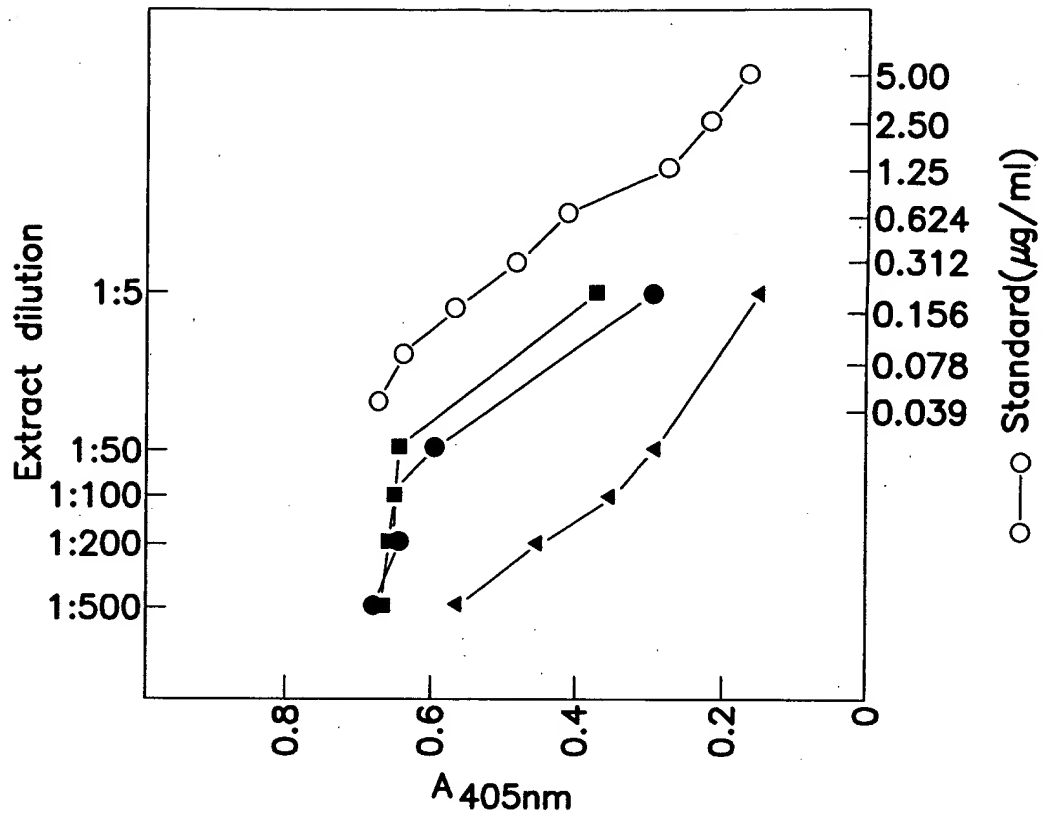


FIG. 2B

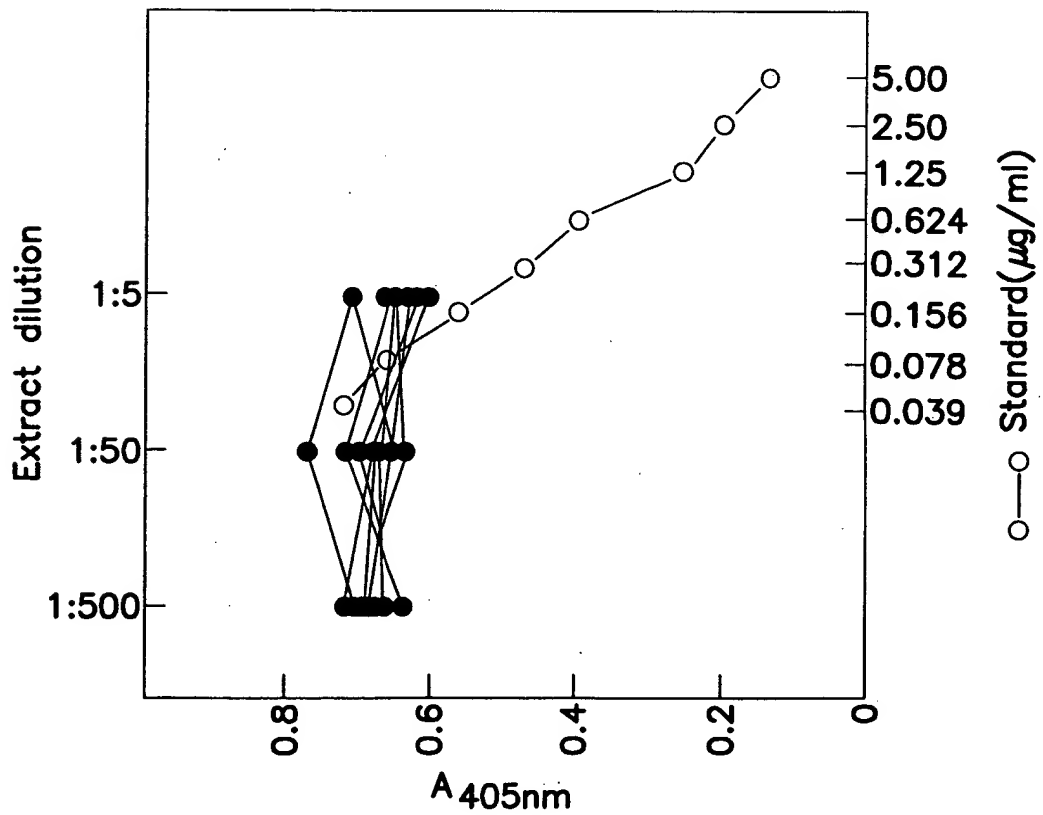


FIG. 2A

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

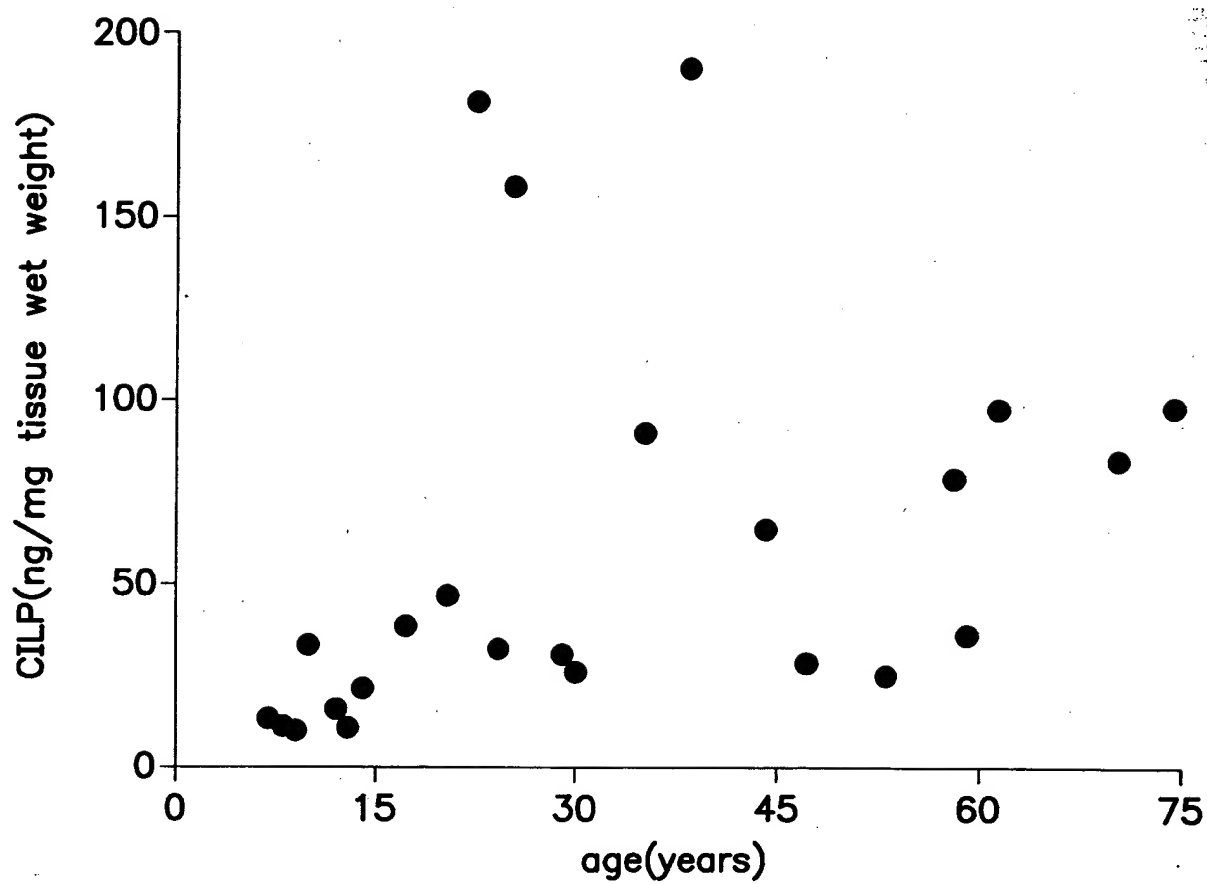


FIG. 3

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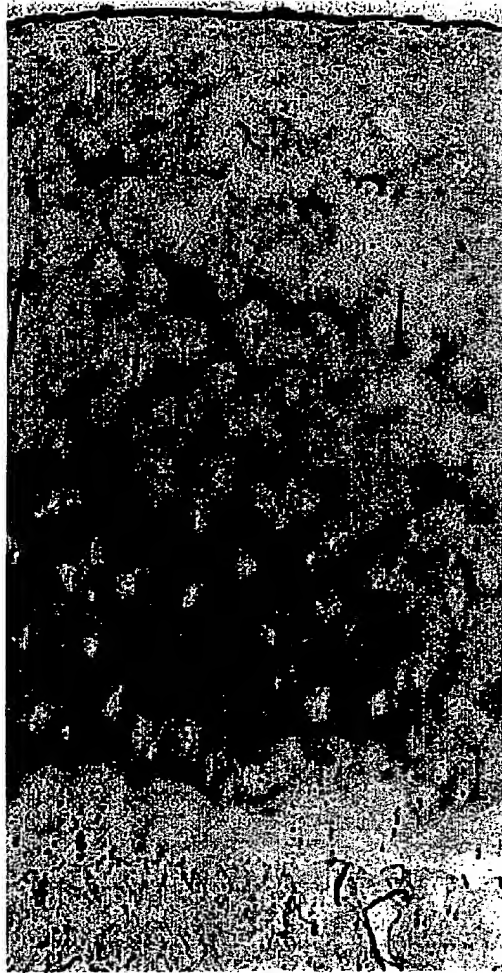


FIG. 4A

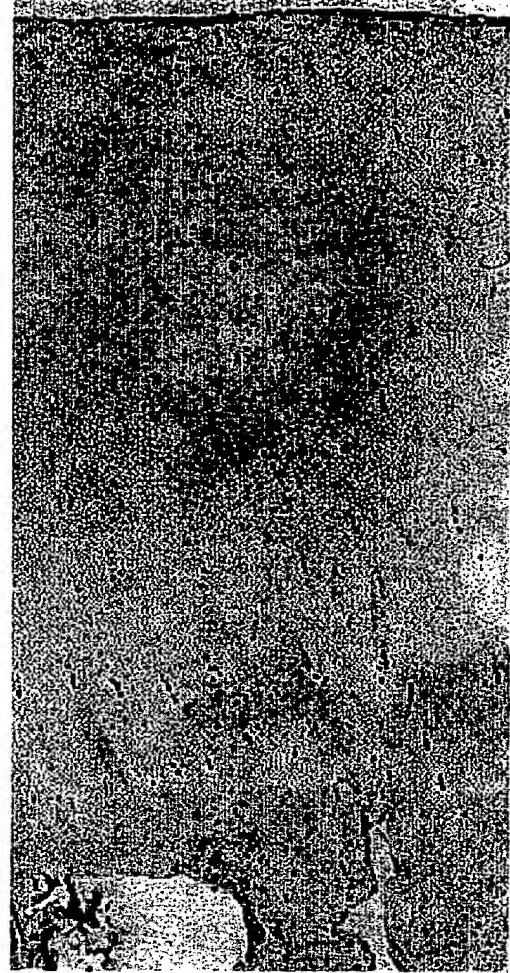


FIG. 4B

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RECEIVED

APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
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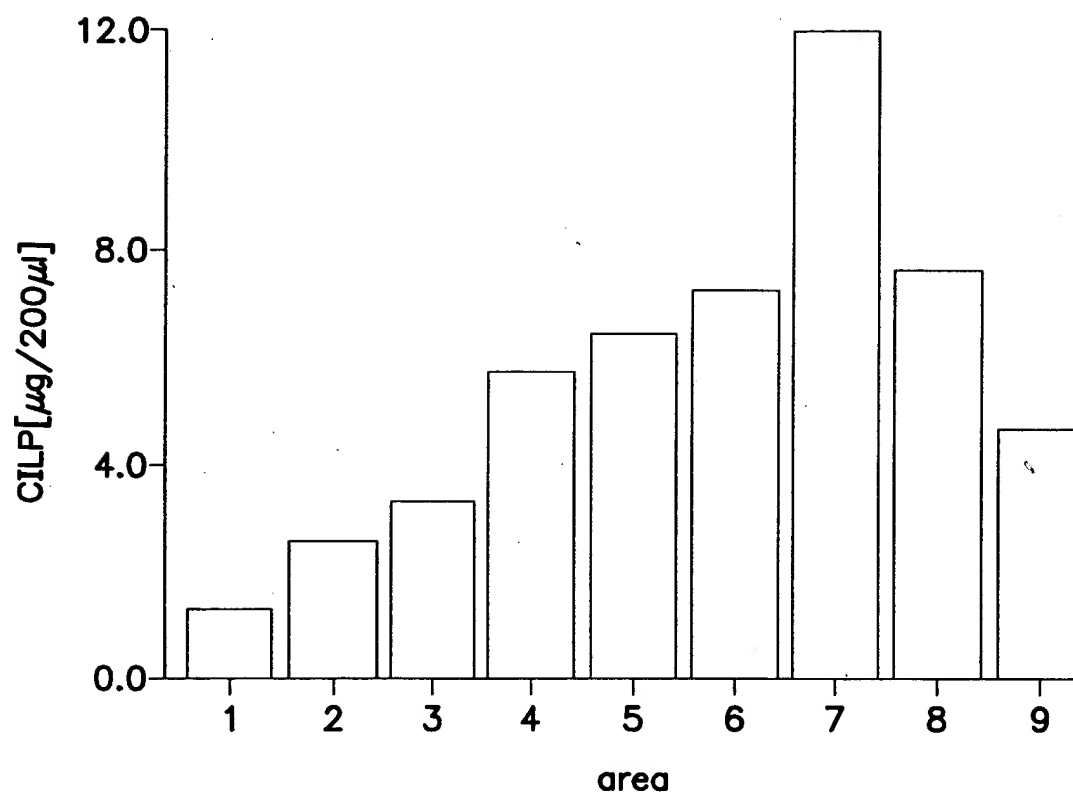


FIG. 5

APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		

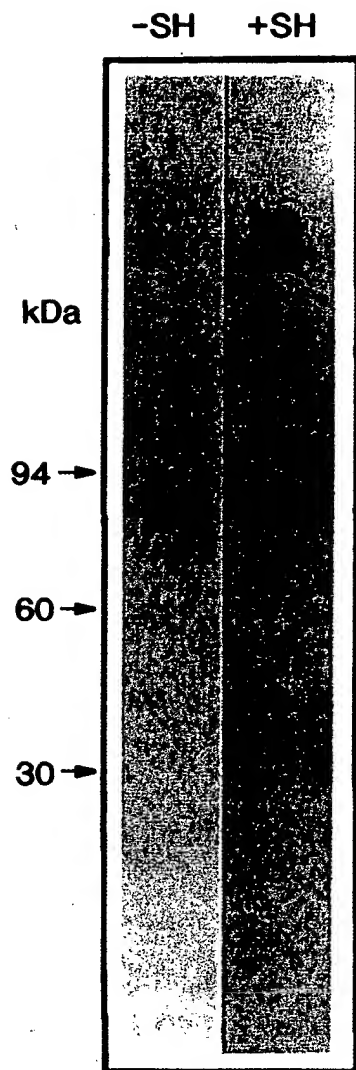


FIG. 6

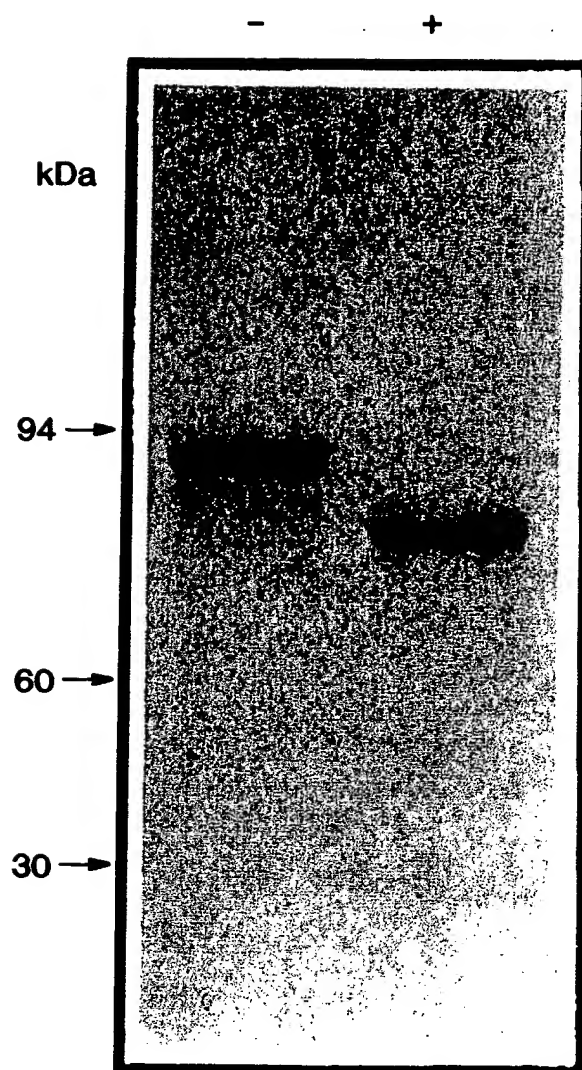


FIG. 7



APPROVED	O. G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

TGAGGAGTC - 121
 - 1
 CTGCTCAAGACACGGTCACTGGATCTGAGAACTTCCAGGGACCGCATCCAGAGTCAGTGACTCTGTGAAGACCCACATCTACCTCTTGGCCACGTTCCACGGGCTTGGGGGAAAG
 120
 19
 240
 59
 360
 99
 480
 139
 600
 179
 720
 219
 840
 259
 960
 299
 1080
 339
 1200
 379
 1320
 419
 1440
 459
 1560
 499
 ATGGTGGGACCAAGGCCTGGGTCTCTCTTCTGTCCTGGTCTGGAAGTCACTCTGTGTTGGGAGACAGACGATGCTCACCCAGTCAAGTAAGAGTCCAGCTGGGAAGAAACCCC
 M V G T K A W V F S F L V L E V T S V L G R Q T M L T Q S V R V Q P G K N P
 AGCATCTTTGCCAAGCCTGCCAGACCCCTGGAGAGCCCTGGTGAGTGGAGAACATTTGTTCAACATCGACTACCCAGCGGGAAGGGCGACTATGAGCGGCTGGAGCCCATTCGCTTCTAC
 S I F A K P A D T L E S P G E W T T L F N I D Y P G G K G D Y E R L D A I R F Y
 TATGGGACCGTGATGTGCCGCTGCCGTAGAGGCTCGGACCACTGACTGGACACCTGGCGGACGACTGCCAGGTGCTCCATGTACTCCCGTGAGGGTTTCTGTGTCCTC
 Y G D R V A R P L R L E A R T T D W T P A G S T G Q V V E G S P R E G F W C L
 AACAGGAGCAGCGGCTGCCAGAACTGCTTAATTACACGTACGCTTCTCTGCCACCCAGGATCCCTGCGCGAGACACAGAGCGCATCTGGAGCCCATGGTCTCCCTGGAGCAAG
 N R E Q R P G Q N S N Y T V R F L P P G S L R R D T E R I W S P W S P W S K
 TGCTCAGCTGCCTGTGTCAGACTGGGGTCCAGACTCGCACACGCACTTTGCTTGGCAGAGATGGTGTGCTGTGCTGAGGCGCCAGCGAAGAGGTCAGCATGCGGCCAGGACTGT
 S A A C G Q T G V Q T R T R I L A E M V S L S E A S E E G Q H C M G Q D C
 ACAGCTGTGACCTGACCTGCCCAATGGGCCAGGTGAATGCTGACTGTGATGCTGATGCTGCCAGGACTTCATGCTTTCATGGGCTGTCTCCCTTCCCGGAGTGCCCCAGCCTCAGGG
 T A C D L T P M G Q V N A D C M Q D F M L H G A V S L P G G A P A S G
 GCTGTACTACTCTGACCAAGACGCCGAAGCTGTGACCCAGACAGAGTGTGGAGATTCGGAATCCCTGGCTGTGCTGATGCGCAAAAGCATCTCTGAAGATCACAAGGTC
 A A I Y L L T K T P K L L T Q T D S D G R F R I P G L P D G K S I L K I T K V
 AAGTTTGGCCCCATTGTACTCACAATGCCCAAGACTAGCCTGAAGGCAGCCACCATCAAGGCAGAGTTGTGAGGCGAGAGACTCCATACATGGTGATGAACCCCTGAGACAAAAGCACGG
 K F A P I V L T M P K T S L K A A T I K A E F V R A E T P Y M V M N P E T K A R
 AGAGCTGGCAGAGCGTCTCTGTGCTGTAAAGCCACAGGGAAGCCCGCCAGCCAGACAGTATTTTGTATCATATGACACATGCTGGATCCCTTCCCTCTACAGCATGTAGAGCAAG
 R A G Q S V S L C K A T G K P R P D K Y F W Y H N D T L L D P S L Y K H E S K
 CTGGTGTGAGGAACTGCAGCAGCAGCGTGGGGAGTACTTTTGAAGGCCCCAGAGTGTGCTGGGCTGTGAAGTCCAGGTTGCCAGCTGATTTGTACAGCATCTGTATGAGACT
 L V L R K L Q Q H Q A G E Y F C K A Q S D A G A V K S K V A Q L I V T A S D E T
 CCTTGCAACCCAGTTCTGTGAGAGTATCTTATCCGGCTGCCCATGATTGCTTTCAGATGCCACCACTCCTTCTACTATGACGTTGGGACGCTGCCCTGTTAAGACTTGTGACGGGCGAG
 P C N P V P E S Y L I R L P H D C F Q N A T N S F Y Y D V G R C P V K T C A G Q
 CAGGATAATGGGATCAGGTGCCGTGATGCTGTGAGAACTGCTGTGGCATCTCCAAGACAGAGGAAGGAGATCCAGTGCAGTGCCTACAGCTACCCAGGTGGCCAGGAGTGC
 Q D N G I R C R D A V Q N C G I S K T E E R E I Q C S G Y T L P T K V A K E C
 AGCTGCCAGCGGTGTACGGAACCTCGGAGCATCTGCGGGGCGGTGTGCTGACATGCTGCTGACATGGGAGCCCATCGCTTGGCCATGTGTACATGGGGAACACCCGTGTAAACATGACT
 S C Q R C T E T R S I V R G R V S A A D N G E P M R F G H V Y M G N S R V S M T

FIG. 8A

APPROVED	O. G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

GGCTACAAAGGGCACCTTTCACCTCCATGTCCCCAGGACACCTGAGAGGCTGGTGCTCACATTTGTGGACAGGCTGCAGAAAGTTGTCAACACCACCAAGTGCTTCAACCAAG
 G Y K G T F T L H V P Q D T E R L V L T F V D R L Q K F V N T T K V L P F N K K 1680 539
 *
 GGGAGTCCGCTGTTCCATGAATCAAGATGCTTCGTCGGAAGAGCCCATCACTTTGGAAGCCATGGAGACCAACATCATCCCTCGGGGAAGTGGTTGGTGAAGACCCCATGGCTGAA
 G S A V F H E I K M L R R K E P I T L E A M E T N I I P L G E V V G E D P M A E 1800 579
 CTGGAGATTCCATCCAGGAGTTTCTACAGGCAGATGGGGAGCCCTACATAGGAAGAGTGAAGCCAGTGTGACCTTCCTGGATCCCGGGAATATTCCACAGCCACAGCTGCCAGACT
 L E I P S R S F Y R Q N G E P Y I G K V K A S V T F L D P R N I S T A T A Q T 1920 619
 *
 GACCTGAACCTCATCAATGACGAAGGAGACACTTTCCCCCTTCGGACGTATGGCATGTTCTCTGTGGACTTCAGAGATGAGGTCACTCAGAGCCACTTAATGCTGGCAAGTGAAGTC
 D L N F I N D E G D T F P L R T Y G M F S V D F R D E V T S E P L N A G K V K V 2040 659
 CACCTTGACTCGACCCAGGTCAAGATGCCAGACATATCCACAGTGAAGTCTGTGCTACTCAATCCACAGACACAGGCTGTGGAGGAGGAAGTGTGATTTCATTAATTGAAATCAAGG
 H L D S T Q V K M P E H I S T V K L W S L N P D T G L W E E G D F K F E N Q R 2160 699
 AGGAACAAAGAGACAGAACCTTCCTGTGGGCAACCTTGAGAGATTCGTGAGAGGAGGCTCTTTAACTGGATGTCTGAAAGCAGGCGGTGCTTTGTTAAGGTGAGGCGCTACCGG
 [R.N.K.R.] E D R T F L V G N L E I R E R R L F N L D V P E S R R F V K V R A Y R 2280 739
 AGTGAGAGGTCTTCGCTAGTGAGCAGATCCAGGGGTGTGATCTCCGCTGATTAACCTGGAGCCCTAGAACCTGGCTTCTGTCCAAACCTAGGCGCTGGGCGCTTTGACAGTGTATC
 S E R F L P S E Q I Q G V V I S V I N L E P R T G F L S N P R A W G R F D S V I 2400 779
 ACAGGCCCAACCGGGCTGTGTGCTGCTGATGACCAAGTCCCTGATGCCTACTCTGCTATGTCTTGGAGCCCTGGTGGGAGGAACTGCAAGCAGTGGAGTCTTCTCCT
 T G P N G A C V P A F D D Q S P D A Y S A Y V L A S L A G E E L Q A V E S S P 2520 819
 AAATTCACCCAAATGCGTCCCTCAGCCCTATCTCAACAAGCTCAACTACCGTCGGACGGACCATGAGGATCCACGGGTTAAAGACAGCTTTCCAGATTAGCATGGCCCAAG
 K F N P N A I G V P Q P Y L N K L N Y R R T D H E D P R V K K T A F Q I S M A K 2640 859
 CCAAGGCCCAACTCAGCTGAGGAGCAATGGGCCCATCTATGCCCTTTGAGAACCTCCGGGCATGTGAAGAGGCAACCCAGTGCAGCCCACTTCGGTTCTACAGATTGAGGGGAT
 P R P N S A E E S N G P I Y A F E N L R A C E E A P P S A A H F R F Y Q I E G D 2760 899
 CGATATGACTACAACACAGTCCCTTCAACGAAGATGACCCCTATGAGCTGAGTGAAGACTATCTGGCATGTGGCCAAAGCCGATGAATTCAGGCGCTGCTATATCAAGGTGAAGATT
 R Y D Y N T V P F N E D D P M S W T E D Y L A W P K P M E F R A C Y I K V K I 2880 939
 GTGGGCCACTGGAAGTGAATGTGGATCCCGCAACATGGGGGCATCTATCGGGCAGAGTGGGGAAGCTGTATGGAATCCGAGATGTGAGGAGCCTCGGGACAGGGACCCCAAT
 V G P L E V N V R S R N M G G T H R R T V G K L Y G I R D V R S T R D R D Q P N 3000 979
 GTCTCAGCTGCCTGTCTGAGTCAAGTGCAGTGGGATGCTCTATGATCAGGACCGTGTGGACCGCACCTCTGGTGAAGTTCATCCCGCAGGCGAGTCCCGTCGAGCCAGTGTGAACCCC
 V S A A C L E F K C S G M L Y D Q D R V D R T L V K V I P Q G S C R R A S V N P 3120 1019
 ATGCTGATGAGTACCTGTCACCACTTGCCACTTGCACTCAACACAGACACCATGATGATACACCTTGACCCCTTGACCCACTGGGCCAACAACTATGSCATCTACACTGTCACT
 M L H E Y L V N H L P L A V N N D T S E Y T M L A P L D P L G H N Y G I Y T V T 3240 1059
 *

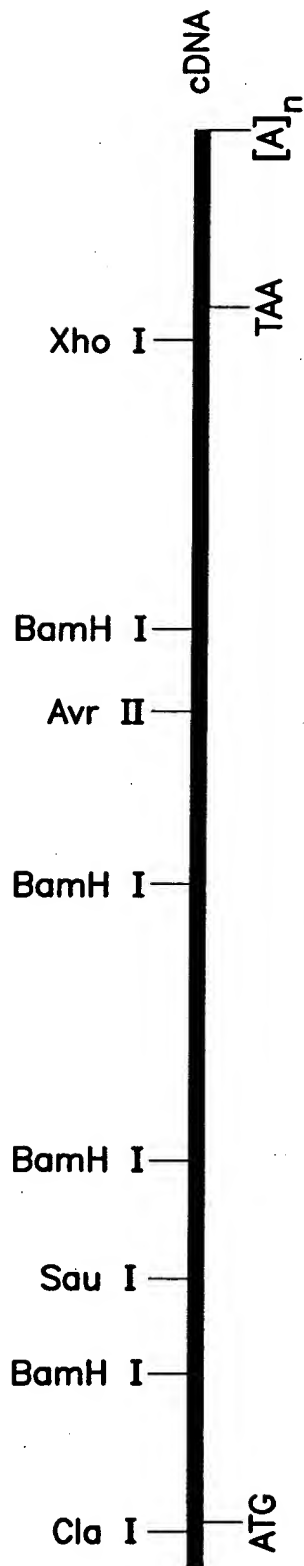
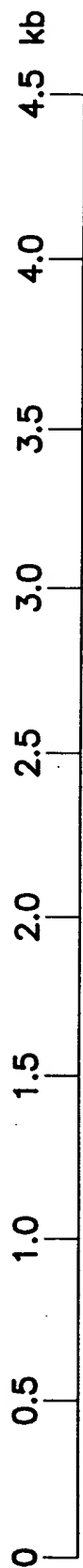
FIG. 8B

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

GACCAGGACCCCTCGCACGGCCCAAGGAGATCGCGCTCGGCCGGTGTGATGGCACATCCGATGGCTCCTCCAGATCATGAAGAGCAATGTGGGAGTAGCCCTCACCTTCAACTGTGTA 3360
 D Q D P R T A K E I A L G R © F D G T S D G S S R I M K S N V G V A L T F N © V 1099
 GAGAGGCAAGTAGGCCCGCCAGAGTGCCCTTCCAGTACCTCCAAAGCACCCAGCCAGTCCCTGCTGCGAGGCACTGTCCAAAGGAAGAGTGCCTCGAGGAGGCGAGCAGCGAGCAGG 3480
 E R Q V G R Q S A F Q Y L Q S T P A Q S P A A G T V Q G R V P S R R Q Q R A S R 1139
 GGTGCCAGGCCAGAGTGGAGTGCGCCCTCTCTGAGATTTCCTAGAGTTTCCTCAACAGCCCTGATCACTAAAGTTTGTGTGTACTTCAACCCCTCTTCTGCCCTCATTTTCATGTGACAG 3600
 G G Q R Q S G V A S L R F P R V A Q Q P L I N ■ (SEQ ID NO:2) 1163
 CCATTGTGAGACTGATGCACAAACTGCTACTTGGTTAATTAAAGCACTTCTGTTTTCGTGAATTTGCTTGTGTTTCTTCAATGCCCTTACTTGTCCCATGCTACTGATTGGCAC 3720
 GTGGCCCCCACAATGGCACAATAAAGCCCTTTGTGAAACTGTCTTTAAATGAAACACACAAGAAATGGCCACTGGTAAACTCTGCAGCTTCAACTGTACTTCACTTAAATGCCATTAAT 3840
 GCAAATATACTTCTCTCTTTTGGATGGTTTGGCCACCTCTGCAATAGTATATCTGATGCTGAAGATCAATACCAATATATAAGCATATTTCTTGGCCCTTGTCTCCACAGGACAT 3960
 AGGCAAGCCCTTGATCATAGTTCATACATATAAATGGTGGTGAATATAAGAAATAAAACACACATACCTTTTACTGGAAAAA (SEQ ID NO:1) 4046

FIG. 8C

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	



800bp PCR

92C-1

92C-2

3PM

5PM

GXRI

Expression construct

5PM	92C-1	92C-2	GXRI
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FIG. 9

APPROVED	O.G. FIG.	CLASS/SUBCLASS
	BY	
DRAFTSMAN		

kb

6.6 —

5.0 —

3.6 —

2.6 —

1.9 —

1.4 —

0.9 —

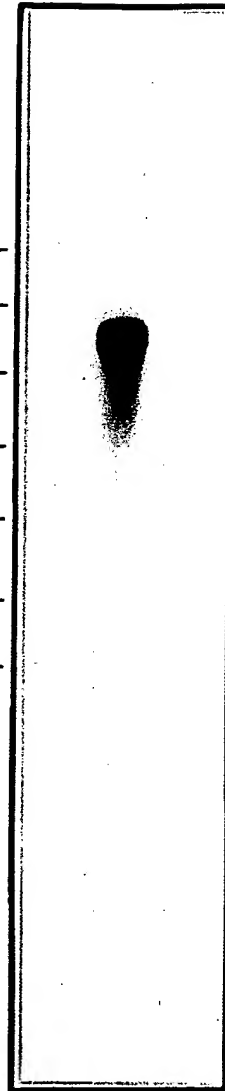


FIG. 10

APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN		

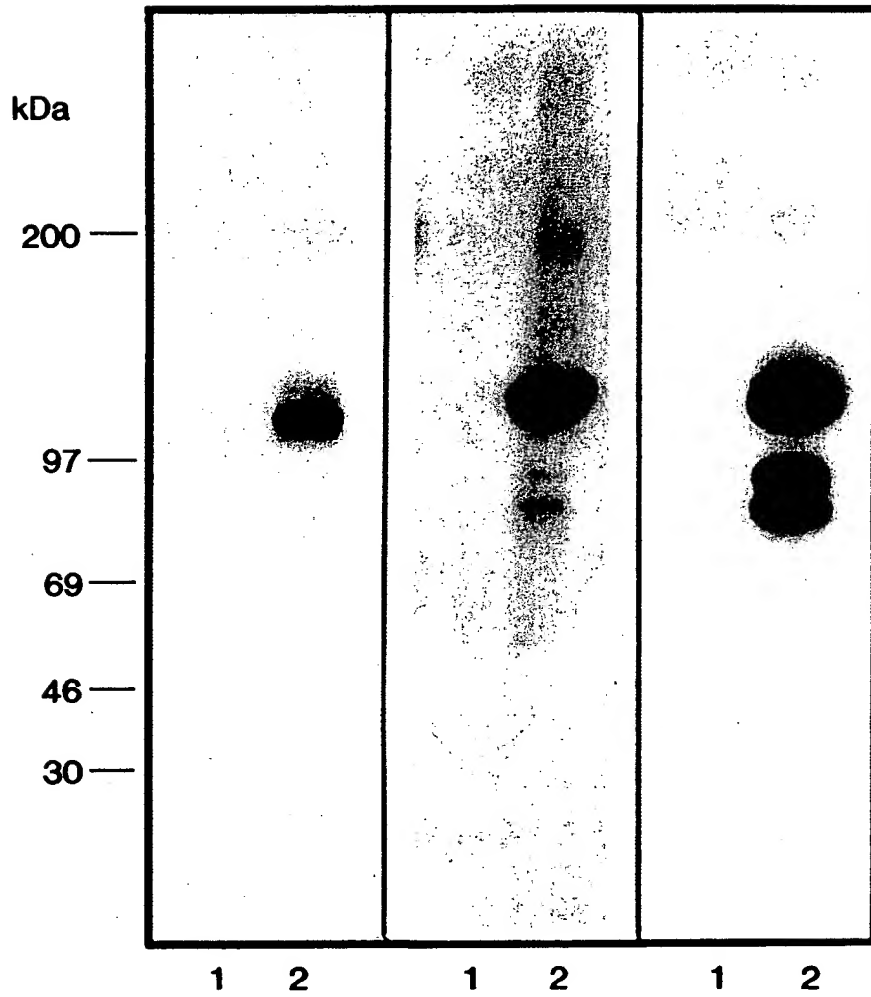


FIG. IIA FIG. IIB FIG. IIC

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

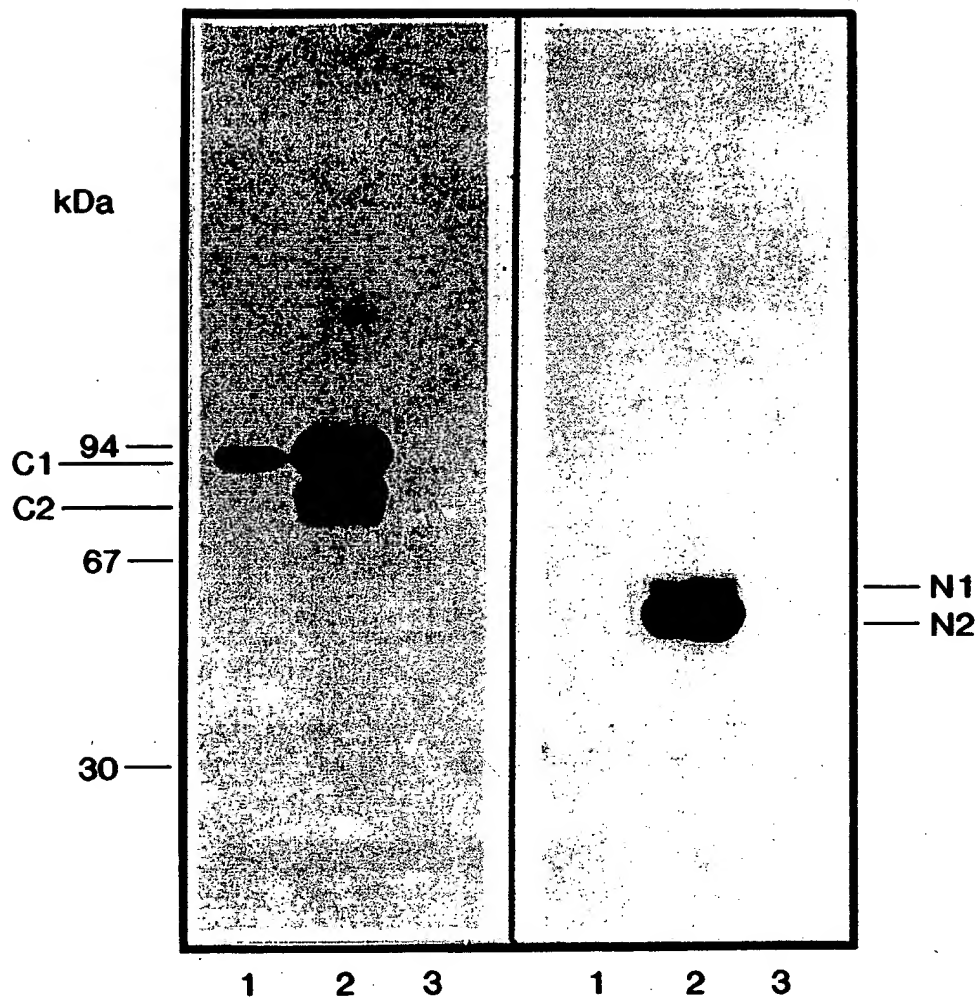


FIG. 12A

FIG. 12B